



Material Safety Data Sheet

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/ Trade Name: OxiClean MultiPurpose

Supplier: Orange Glo International
PO Box 3998
Littleton, CO 80110 USA

MSDS preparation date: April 8, 2003
By: F. Holzhauer
MSDS Revision date: April 8, 2003
MSDS Reviewed: April 8, 2003

Emergency Phone: 303-740-1909
Poison Control (US): 1-800-222-1222
Transportation emergencies: ChemTrec 800-424-9300

Information Phone: 303-740-1909

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

General Description: White granular mixture, with minor blue inclusions.

Hazardous Ingredients:

Ingredients not precisely identified are proprietary or nonhazardous

CAS #	Chemical name	%age range
15630-89-4	Sodium percarbonate	50-70%
497-19-8	Sodium carbonate (soda ash)	30-50%
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Section 3: HAZARDS IDENTIFICATION

This product is a consumer product. To the extent the product is used in a fashion typical to that of a consumer, protective measures, with the exception of those indicated on the label, are not normally necessary. Where use conditions and/or extent and duration of exposure differ from typical consumer use, however, appropriate protective measures to prevent eye and prolonged skin contact (glasses, goggles, rubber gloves, protective clothing) and minimize inhalation exposure (engineering controls, NIOSH-approved respiratory protection appropriate for the hazard presented) are recommended.

General: Harmful if swallowed, irritating to eyes. Contamination may cause decomposition. Not flammable, but damp material decomposes exothermically.

Emergency: Seek medical attention for eye exposure and ingestion

Primary Route(s) of Entry: Eye, skin contact, inhalation, ingestion

Effects of Overexposure-Inhalation: Dust inhalation may cause irritation of respiratory tract; may cause dizziness, drowsiness, headache, nausea and vomiting.

Effects of Overexposure-Ingestion: Harmful if swallowed

Effects of Overexposure-Eyes: Extremely irritating to the eyes and may cause severe damage

Effects of Overexposure-Skin: Slightly irritating to the skin; cleaning action can dry the skin.



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Effects of Overexposure-Chronic None known
Hazards:

Section 4:	FIRST AID MEASURES
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- Skin: Wash with water and soap, and rinse thoroughly. If skin irritation continues, consult a doctor.
- Eyes: Flush eyes immediately with water for 15 minutes. Consult doctor.
- Ingestion: Do not induce vomiting. Rinse mouth with water and consult a doctor. Conscious persons may drink water or juice to dilute.
- Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Seek medical attention if symptoms exist.

Section 5:	FIRE FIGHTING MEASURES
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Flashpoint and method used:	> 200 deg F	Flammable limit: (LEL)	NA	Flammable limit: (UEL)	NA
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Auto-ignition temperature: NA - product is not self igniting

Extinguishing media: CO2, extinguishing powder or water spray/fog.

Special fire-fighting protective equipment: Breathing apparatus

Unusual fire and explosion hazards: Material decomposes exothermically when damp. Rapid oxygen evolution may increase intensity of a fire. Keep separate from oxidizers, flammables and reducing agents. Carbon monoxide, dioxide as combustion products.

Explosion data: ND

Section 6:	ACCIDENTAL RELEASE MEASURES
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Personal protective equipment: Large spills: self contained breathing apparatus. Small spills from consumer size packaging: avoid breathing dust.

Material release or spill: Ventilate area. remove all sources of ignition. Clean up area with absorbant material and place in waste containers for disposal. Flush area well with water. Dampened product should not be stored indoors or in hermetically sealed containers.

Other: Dispose of in accordance with local, state and federal regulations. Material collected with absorbant may be disposed in a permitted landfill in accordance with state, local and federal regulations. Empty container may retain product residue.

Section 7:	HANDLING AND STORAGE
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Storage: Store and use in a cool, dry, well ventilated area. Do not store above 120 deg. F (48 deg C.).



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Precautions during
handling and storage:

Do not spray solution in eyes. Do not take internally. See product label for additional information

Section 8:	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Exposure limits:	ND
Engineering controls:	General protective and hygienic measures. Keep away from foodstuffs, beverages and food. Keep cool and dry.
Eye protection:	None under normal use. Use of safety glasses with splash guards or full face shield is recommended for industrial applications.
Protective clothing:	Solvent resistant gloves for prolonged or repeated contact.
Respiratory protection:	None required if room is well ventilated. If vapors are present, use NIOSH or MSDA approved respiratory equipment.
Other PPE:	None

Section 9:	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	White, with minor Blue inclusions		
Odor:	Strong Laundry Detergent		
Physical state:	Powder		
Boiling point:	NA - powder	Vapor density:	NA - powder
Vapor Pressure:	NA - powder	Evaporation rate:	NA
Solubility in water:	140 g/L@75 deg F.	Viscosity:	NA
pH:	~10.8. 1% in water	Specific Gravity:	NA
Melting point:	NA- can decompose above 55 deg. C.	Cloud point:	NA
% volatile by volume:	NA	Freezing point:	NA
Partition coefficient:	NA		
Coefficient of water/oil distribution:	NA		
	Bulk density = 1.0-1.2g/cc		

Section 10:	STABILITY AND REACTIVITY
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Stability:	No decomposition if used according to specifications
Incompatibility:	Oxidizers, Reducing agents, flammable substances
Conditions to avoid:	Temperatures above 55 deg C (130 deg F). High humidity levels
Hazardous decomposition:	No hazardous decomposition products are known
Hazardous polymerization:	No hazardous polymerization products are known

Section 11:	TOXICOLOGICAL PROPERTIES
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Acute oral toxicity	No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR372 are present.
Carcinogenicity:	Not listed as a carcinogen by ACGIH, IARC, NTP, OSHA



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Reproductive toxicity/	No toxic chemical(s) subject to the reporting requirements of Section 313
Teratogenicity:	of Title III and of 40 CFR372 are present.
Mutagenicity:	No information
Toxicologically synergistic products:	None known

Section 12:	ECOLOGICAL INFORMATION
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Persistence and degradation:	Degradation byproducts are H ₂ O ₂ , O ₂ and sodium carbonate (soda ash)
Toxicity:	ND
Other:	ND

Section 13:	DISPOSAL CONSIDERATIONS
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Disposal method:	Do not dispose of powder with household waste. Complete dissolution in water prior to reaching sewage system, flush well with water.
Container disposal:	Rinse with water. Dispose in household waste as per local regulations. Some containers are of recyclable plastic. Contact local recycling programs for information.

Section 14:	TRANSPORT INFORMATION
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DOT proper shipping name:	NA - blend is nonhazardous	DOT technical name:	NA
DOT Hazard class:	NA	Hazard subclass:	NA
UN Number, proper shipping name:	NA	Packing group:	NA
Other Transport information:	NA		

Section 15:	REGULATORY INFORMATION
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TSCA:	All components are listed on the TSCA inventory
DSL:	All components are listed on DSL
OSHA Haz Com 29 CFR 1910.1200:	MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200)
WHMIS Classification:	Sodium percarbonate Class C, D2B
CERCLA and SARA:	Sodium percarbonate SARA section 311/312- reaction hazard, SARA 313- Not Applicable

Section 16:	OTHER INFORMATION
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% Volatile Organic Compounds (VOCs)	< 1%
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Legend:	N.D. Not Determined	N.E. Not Established	N.A. Not Applicable
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The information provided has been adapted from the manufacturer supplied MSDS. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from use of MSDS information.



MSDS Addendum

Always follow label instructions and warnings. Typical use of product is a guideline only.

Typical Use of Product:	A chlorine free mixture used in solution with water as a stain remover and general cleaner for carpets and hard surfaces, and as a laundry additive. Common dilutions are 1:1 up to 1:120 in water (see package label for applications). Mixing of solution should not be done in a closed container due to outgassing of Oxygen which may cause container to burst. Keep away from face when opening mixing containers. Do not mix with household cleaners. As with all cleaners, test solution on an inconspicuous place prior to complete surface cleaning. Rinse surface or substrate well after treatment.
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